

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	18	"6338141".pn. "6357008".pn. "6314425".pn. "6785732".pn. "6029256".pn. "20050283837" "5960170".pn. "6279113".pn. "6397335".pn. "6802028".pn. "6851057".pn. "6021510".pn. "6067410".pn. "6073239".pn. "5802277".pn. "5559960".pn.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 17:41
L2	1819	mcafee.as. symantec.as. norton. as.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 17:42
L3	118	virus and 2	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 18:07
L4	11233016	@ad<"20001218"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 18:07
L5	41	3 and 4	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 18:09
L6	108	mcafee.as.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 18:09
L7	69698	virus and 4 not 6	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 18:10
L8	19135	detect\$5 with virus	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 18:10
L9	8574	7 and 8	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 18:11
L10	1229	database and 9	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 18:11

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L11	252	compil\$5 and 10	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 18:11
L12	3698478	clean\$5 disinfect\$5 remov\$3 delet\$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 18:12
L13	15726	virus with 12	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 18:13
L14	72	11 and 13	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 18:15
L15	3029	anti\$3virus	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 18:14
L16	22	14 and 15	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 18:14
L17	2	14 not gene\$3	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 18:14
L18	60	computer and 14	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 18:16
L19	12130	virus.clm.	US-PGPUB	OR	ON	2007/03/03 18:16
L20	7220	delta.clm.	US-PGPUB	OR	ON	2007/03/03 18:16
L21	204	19 and 20	US-PGPUB	OR	ON	2007/03/03 18:16
L22	48569	database.clm.	US-PGPUB	OR	ON	2007/03/03 18:16
L23	3	21 and 22	US-PGPUB	OR	ON	2007/03/03 18:16
L24	9284	definition.clm.	US-PGPUB	OR	ON	2007/03/03 18:17
L25	93	19 and 24	US-PGPUB	OR	ON	2007/03/03 18:17
L26	16	25 and 22	US-PGPUB	OR	ON	2007/03/03 18:17
L27	2606	709/224.ccls.	US-PGPUB	OR	ON	2007/03/03 18:19
L28	2693	709/223.ccls.	US-PGPUB	OR	ON	2007/03/03 18:18
L29	1179	709/220.ccls.	US-PGPUB	OR	ON	2007/03/03 18:18
L30	3705	707/1.ccls. 707/6.ccls.	US-PGPUB	OR	ON	2007/03/03 18:19

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L31	9817	27 28 29 30	US-PGPUB	OR	ON	2007/03/03 18:19
L32	330	4 and 31	US-PGPUB	OR	ON	2007/03/03 18:19
L33	24927	709/224.ccls. 709/223.ccls. 709/220.ccls. 707/1.ccls. 707/3. ccls.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 18:20
L34	8395	4 and 33	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 18:20
L35	111081	virus and "35"	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 18:20
L36	183	virus and 34	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 18:21
L37	181	36 not mcafee.as.	US-PGPUB; USPAT; EPO; JPO; IBM_TDB	OR	ON	2007/03/03 18:21

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Number	Title	Author or Ed.	Date	Format	More Info (Obs&Upd)	Status
RFC3685	SIEVE Email Filtering: Spamtest and VirusTest Extensions	C. Daboo	February 2004	ASCII		PROPOSED STANDARD
RFC3607	Chinese Lottery Cryptanalysis Revisited: The Internet as a Codebreaking Tool	M. Leech	September 2003	ASCII		INFORMATIONAL


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Relevance scale

1 Norman virus control for Windows NT

Gilbert Held

May 1998 **International Journal of Network Management**, Volume 8 Issue 3**Publisher:** John Wiley & Sons, Inc.Full text available: [pdf\(845.67 KB\)](#) Additional Information: [full citation](#), [index terms](#)**2 How to withstand mobile virus attacks (extended abstract)**

Rafail Ostrovsky, Moti Yung

 July 1991 **Proceedings of the tenth annual ACM symposium on Principles of distributed computing PODC '91****Publisher:** ACM PressFull text available: [pdf\(899.57 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**3 A taxonomy of computer program security flaws**

Carl E. Landwehr, Alan R. Bull, John P. McDermott, William S. Choi

 September 1994 **ACM Computing Surveys (CSUR)**, Volume 26 Issue 3**Publisher:** ACM PressFull text available: [pdf\(3.81 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

An organized record of actual flaws can be useful to computer system designers, programmers, analysts, administrators, and users. This survey provides a taxonomy for computer program security flaws, with an Appendix that documents 50 actual security flaws. These flaws have all been described previously in the open literature, but in widely separated places. For those new to the field of computer security, they provide a good introduction to the characteristics of security flaws and how they ...

Keywords: error/defect classification, security flaw, taxonomy

4 Illustrative risks to the public in the use of computer systems and related technology

Peter G. Neumann

 January 1996 **ACM SIGSOFT Software Engineering Notes**, Volume 21 Issue 1**Publisher:** ACM PressFull text available: [pdf\(2.54 MB\)](#) Additional Information: [full citation](#)

5 Illustrative risks to the public in the use of computer systems and related technology**Peter G. Neumann****January 1994 ACM SIGSOFT Software Engineering Notes, Volume 19 Issue 1****Publisher:** ACM PressFull text available: [pdf\(2.24 MB\)](#)Additional Information: [full citation](#), [citations](#), [index terms](#)**6 Intrusion detection for distributed applications****Matthew Stillerman, Carla Marceau, Maureen Stillman****July 1999 Communications of the ACM, Volume 42 Issue 7****Publisher:** ACM PressFull text available: [pdf\(210.29 KB\)](#)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)[html\(34.90 KB\)](#)**7 Prophylaxis for "virus" propagation and general computer security policy****Daniel Guinier****June 1991 ACM SIGSAC Review, Volume 9 Issue 3****Publisher:** ACM PressFull text available: [pdf\(631.90 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)**Viruses propagate easily with economic consequences** that are difficult to estimate.Appropriate means of prevention, detection and protection are needed to preserve integrity and availability of computer systems. **Prophylaxis effects** first have to be researched to provide data for choice of appropriate measures according to the general security policy. Several models for virus propagations borrowed from biology have been developed in the continuous case to indicate that segr ...**8 Balancing cooperation and risk in intrusion detection****Deborah Frincke****February 2000 ACM Transactions on Information and System Security (TISSEC), Volume 3 Issue 1****Publisher:** ACM PressFull text available: [pdf\(236.44 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Early systems for networked intrusion detection (or, more generally, intrusion or misuse management) required either a centralized architecture or a centralized decision-making point, even when the data gathering was distributed. More recently, researchers have developed far more decentralized intrusion detection systems using a variety of techniques. Such systems often rely upon data sharing between sites which do not have a common administrator and therefore cooperation will be required i ...

Keywords: access control models, authorization mechanisms, collaborative systems**9 Illustrative risks to the public in the use of computer systems and related technology****Peter G. Neumann****January 1992 ACM SIGSOFT Software Engineering Notes, Volume 17 Issue 1****Publisher:** ACM PressFull text available: [pdf\(1.65 MB\)](#)Additional Information: [full citation](#), [citations](#), [index terms](#)**10 Computer immunology**

Stephanie Forrest, Steven A. Hofmeyr, Anil Somayaji

October 1997 **Communications of the ACM**, Volume 40 Issue 10

Publisher: ACM Press

Full text available:  pdf(460.66 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

11 Incremental cryptography and application to virus protection 

Mihir Bellare, Oded Goldreich, Shafi Goldwasser

May 1995 **Proceedings of the twenty-seventh annual ACM symposium on Theory of computing STOC '95**

Publisher: ACM Press

Full text available:  pdf(1.65 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

12 HEmut-PoliCaza: introducing Ada in the university through PC anti-virus software development 

Alvaro Hermida

December 1992 **Proceedings of the conference on TRI-Ada '92 TRI-Ada '92**

Publisher: ACM Press

Full text available:  pdf(784.32 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

13 An equational object-oriented data model and its data-parallel query language 

Susumu Nishimura, Atsushi Ohori, Keishi Tajima

October 1996 **ACM SIGPLAN Notices , Proceedings of the 11th ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications OOPSLA '96**, Volume 31 Issue 10

Publisher: ACM Press

Full text available:  pdf(1.98 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents an equational formulation of an object-oriented data model. In this model, a database is represented as a *system of equations* over a set of oid's, and a database query is a transformation of a system of equations into another system of equations. During the query processing, our model maintains an *equivalence relation* over oid's that relates oid's corresponding to the same "real-world entity." By this mechanism, the model achieves a declarative set-based query ...

14 The design and implementation of tripwire: a file system integrity checker 

Gene H. Kim, Eugene H. Spafford

November 1994 **Proceedings of the 2nd ACM Conference on Computer and communications security CCS '94**

Publisher: ACM Press

Full text available:  pdf(1.22 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

At the heart of most computer systems is a file system. The file system contains user data, executable programs, configuration and authorization information, and (usually) the base executable version of the operating system itself. The ability to monitor file systems for unauthorized or unexpected changes gives system administrators valuable data for protecting and maintaining their systems. However, in environments of many networked heterogeneous platforms with different policies and softw ...

15 Biological versus computer viruses 

D. Guinier

July 1989 **ACM SIGSAC Review**, Volume 7 Issue 2

Publisher: ACM Press

Full text available:  pdf(933.73 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

terms

To understand biological viruses, some notions of the fundamental knowledge of the structure of DNA, the genetic code, the biosynthesis of proteins, the transcription, replication and transfer processes,... are presented so as to give an idea as to how the genetic information is decrypted by biological mechanisms and consequently, how viruses work. A computer "virus" can be defined as a piece of code with a self-reproducing mechanism riding on other programs which cannot exist by it ...

16 Optimization of relational algebra expressions containing recursion operators

◆ Ming-Chien Shan, Marie-Anne Neimat

◆ April 1991 **Proceedings of the 19th annual conference on Computer Science CSC '91**

Publisher: ACM Press

Full text available: pdf(887.16 KB) Additional Information: [full citation](#), [references](#)

17 Temporal sequence learning and data reduction for anomaly detection

◆ Terran Lane, Carla E. Brodley

◆ August 1999 **ACM Transactions on Information and System Security (TISSEC)**, Volume 2 Issue 3

Publisher: ACM Press

Full text available: pdf(628.31 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The anomaly-detection problem can be formulated as one of learning to characterize the behaviors of an individual, system, or network in terms of temporal sequences of discrete data. We present an approach on the basis of instance-based learning (IBL) techniques. To cast the anomaly-detection task in an IBL framework, we employ an approach that transforms temporal sequences of discrete, unordered observations into a metric space via a similarity measure that encodes intra-attribute dependence ...

Keywords: anomaly detection, clustering, data reduction, empirical evaluation, instance based learning, machine learning, user profiling

18 Sensitive security points in PC microcomputers: understanding for building secure solutions to intrusions

◆ Daniel Guinier

January 1992 **ACM SIGSAC Review**, Volume 10 Issue 1

Publisher: ACM Press

Full text available: pdf(782.25 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The future of computer security is very dependent on the wild development of **networking** and **microcomputing**, and it is more and more difficult to protect microcomputers against enhanced piracy or "viruses". Also, a **revision of such systems** must be taken into consideration involving machines, operating systems, applications and data to avoid unauthorized access, abusive use of resources and losses of **confidentiality, integrity and availability.** Solutions ...

Keywords: crime, detection intrusion model, intrusion, protection, security, virus

19 Privacy policies and practices: inside the organizational maze

◆ H. Jeff Smith

◆ December 1993 **Communications of the ACM**, Volume 36 Issue 12

Publisher: ACM Press

Full text available: pdf(6.76 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: information privacy

20 **Document detection: TIPSTER phase I final report**

Bill Caid, Stephen Gallant, Joel Carleton, David Sudbeck

September 1993 **Proceedings of a workshop on held at Fredericksburg, Virginia:**

September 19-23, 1993

Publisher: Association for Computational Linguistics

Full text available:  [pdf\(1.84 MB\)](#) Additional Information: [full citation](#), [abstract](#)

During Phase I of the TIPSTER program, HNC developed a unique approach to machine learning of similarity of meaning. This approach, embodied in a system called "MatchPlus", exploits this learned similarity of meaning for concept-based text retrieval, routing and visualization of textual information. MatchPlus uses an information representation scheme called "context vectors" to encode similarity of usage. Key attributes of the context vector approach are as follows:
• Words, documents, and q ...

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